

Table of Contents

Chapter/Section	Page
1 INTRODUCTION	
1.1 Purpose of the EIR	1-1
1.2 Scope of the EIR.....	1-1
1.3 Effects Found Not to Be Significant.....	1-2
1.4 Lead, Responsible, and Trustee Agencies	1-3
1.5 Public Review Process.....	1-4
1.6 Terminology Used in the EIR	1-4
1.7 EIR Organization	1-5
2 EXECUTIVE SUMMARY	
2.1 Introduction	2-1
2.2 The EIR Process	2-1
2.3 Summary of the Proposed Project	2-2
2.4 Areas of Controversy	2-9
3 PROJECT DESCRIPTION	
3.1 Introduction	3-1
3.2 Project Location.....	3-1
3.3 Project Background.....	3-5
3.4 Proposed Actions by the City	3-6
3.5 Trustee and Responsible Agency Actions	3-7
3.6 Project Characteristics	3-8
3.7 Project Objectives	3-13
3.8 Project Construction.....	3-14
4 EXISTING CONDITIONS, THRESHOLDS OF SIGNIFICANCE, ENVIRONMENTAL IMPACTS, AND MITIGATION MEASURES	
4.1 Land Use and Agricultural Resources	4-3
4.2 Visual Resources.....	4-11
4.3 Air Quality	4-15
4.4 Noise	4-34
4.5 Biological Resources.....	4-47
4.6 Hazards and Hazardous Materials.....	4-54
4.7 Earth Resources.....	4-68
4.8 Hydrology and Water Quality	4-79
4.9 Public Services and Utilities	4-87
4.10 Transportation and Circulation	4-93
4.11 Cultural Resources	4-121
4.12 Population/Housing	4-149

Table of Contents (Continued)

Chapter/Section	Page
5 CUMULATIVE IMPACTS	
5.1 Introduction to the Cumulative Analysis.....	5-1
5.2 Cumulative Impact Analysis.....	5-6
6 OTHER CEQA-MANDATED SECTIONS	
6.1 Significant Unavoidable Impacts	6-1
6.2 Growth-Inducing Impacts.....	6-3
6.3 Significant Irreversible Environmental Changes	6-4
7 ALTERNATIVES TO THE PROPOSED PROJECT	
7.1 Summary of Environmental Constraints	7-1
7.2 No Project Alternative –Continuation of Existing Conditions	7-2
7.3 No Project Alternative –Current Zoning	7-5
7.4 All Single-Family Development Alternative.....	7-8
7.5 Reduced Development Alternative	7-33
7.6 Offsite Alternative.....	7-38
7.7 Alternatives Previously Considered and Rejected	7-39
7.8 Environmentally Superior Alternative.....	7-41
8 REFERENCES	
8.1 Printed References	8-1
8.2 Personal Communications.....	8-5
8.3 Cultural Maps	8-7
9 REPORT PREPARATION	9-1

Tables

2-1 Summary of Project Impacts and Mitigation Measures	2-11
4-1 Summary of Ambient-Air-Quality Data (2003–2005).....	4-19
4-2 Ambient Air Quality Standards and Designations.....	4-21
4-3 Increase in Air Emissions Associated with Project-Related Vehicle Trips.....	4-28
4-4 Carbon Monoxide Modeling Results Under Project Conditions.....	4-29
4-5 Ambient Noise Level Measurement Results	4-36
4-6 Existing Traffic Data, Noise Levels, and Distances to Contours.....	4-38
4-7 City of Santa Clara General Plan Noise Standards.....	4-39
4-8 Significance of Changes in Cumulative Noise Exposure	4-40
4-9 FHWA Traffic Noise Prediction Model Results.....	4-41

Table of Contents (Continued)

Chapter/Section	Page
4-10 Construction Equipment Noise	4-44
4-11 Summary of Hazardous Materials Regulatory Authority	4-63
4-12 The Modified Mercalli Scale for Earthquake Intensity.....	4-72
4-13 Historic Earthquakes within 50 Miles of Santa Clara Gardens Boulevard Project Site	4-73
4-14 Existing Intersection Levels of Service	4-100
4-15 Existing Freeway Segment Levels of Service.....	4-102
4-16 Background and Project Intersection Levels of Service	4-106
4-17 Freeway Segment Analysis for Project	4-109
4-18 Existing Load Factors	4-111
4-19 Existing Daily Traffic Volumes	4-112
4-20 Project Net Added Traffic by Roadway Segment.....	4-114
4-21 Change in Daily Traffic Volumes with Santa Clara Gardens Project	4-116
4-22 Timeline of Historic Property Use at the Santa Clara Gardens Site.....	4-134
5-1 Geographic Scope of Cumulative Impacts	5-2
5-2 Cumulative Intersection Levels of Service.....	5-10
7-1 Increase in Air Emissions Associated with the All Single-Family Development Alternative Project-Related Vehicle Trips	7-11
7-2 Carbon Monoxide Modeling Results Under the All Single-Family Development Alternative.....	7-12
7-3 FHWA Traffic Noise Prediction Model Results for All Single-Family Development Alternative.....	7-14
7-4 Background and All-Single-Family Development Alternative Levels of Service.....	7-24
7-5 Freeway Segment Analysis for All Single-Family Development Alternative.....	7-27
7-6 Existing Load Factors	7-28
7-7 Existing Daily Traffic Volumes	7-29
7-8 All Single Family Development Alternative Potential Net-Added Traffic by Roadway Segment	7-30
7-9 Change in Total Daily Traffic Volumes with All Single Family Development Alternative.....	7-31

Exhibits

3-1 Regional Location.....	3-2
3-2 Site Location	3-3
3-3 Project Vicinity	3-4
3-4 Conceptual Site Plan and Landscape Plan for Senior Housing Development.....	3-9

Table of Contents (Continued)

Chapter/Section	Page
3-5 Conceptual Site Plan for Single Family Housing Development	3-11
4-1 Typical Noise Levels.....	4-35
4-2 Noise Measurement and Suggested Noise Barriers	4-37
4-3 Special-Status Species Map.....	4-49
4-4 Layout of the Former Research Facility	4-57
4-5 Location of Soil Samples	4-59
4-6 Regional Geologic Map	4-69
4-7 Quarternary Geologic Map	4-71
4-8 Geologic Hazard Map	4-75
4-9 Site Location	4-94
4-10 Transit and Pedestrian Facilities.....	4-96
4-11a Conceptual Site Access Design and Winchester/Forest Intersection Modification....	4-115
4-11b Intersection Design Alternative	4-119
4-12 1887 Map of Santa Clara County.....	4-123
4-13 1892 Map of San Jose	4-125
4-14 1895 Birds Eye View of Santa Clara County	4-127
4-15 1901-10 Map of San Jose and Vicinity.....	4-129
4-16 Project Vicinity	4-143
7-1 Reduced Development Alternative	7-35

Appendices

- A NOP and Comments Received on the NOP (Vol I)
- B Air Quality Modeling Results (Vol II)
- C Noise Modeling Results (Vol II)
- D Phase I Site Assessment Report (Vol II)
- E Site Characterization Report (Vol II)
- F Resolution No. 6976, City Of Santa Clara (Vol II)
- G Storm Drain Analysis (Vol II)
- H Stormwater Quality Control Plan (Vol II)
- I Sanitary Drainage System (Vol II)
- J Transportation Impact Analysis (Vol II)
- K Potential Neighborhood Impacts (Vol I)
- L Cultural Report (Vol II)
- M Proposed and Pending projects in City of Santa Clara & San Jose (Vol I)